

Abstract:

The thesis Didactics of statistics is devoted to the problem of understanding of the basic concepts of probability theory and statistics. I have conducted a research in which I studied the understanding of the basic statistical concepts such as average, randomness, chance, variability, and sample by college students. I also studied whether the students are able to work with statistical data, whether they can read values from a chart, identify, and interpret their arithmetic mean. I interpreted the data obtained from the research using the model of the French psychologist Jean Piaget, according to which it is possible to distinguish three stages in the development of a theory, which Piaget named INTRA, INTER and TRANS. My research indicates that students' ideas about the basic statistical concepts are often very different from the ideas of the teacher. There is also interference between the scientific concepts and the similarly sounding terms of the everyday language. It is important that the teacher is aware of these differences and explains them using appropriate examples.